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**END-STAGE RENAL DISEASE  
PATIENT PROFILE TABLES**

**1984**

**ESRD Systems Branch  
Division of Information Analysis**

REPORTS  
RA  
645  
K5  
E53  
1984

## END-STAGE RENAL DISEASE PATIENT PROFILE TABLES

### INTRODUCTION

The Patient Profile Tables present information on persons with end-stage renal disease (ESRD) covered by Medicare. The tables are intended for use by professionals in the renal community and by the Federal Government. These profiles describe:

- The utilization of dialysis and transplantation
- The demographic characteristics of the patients being treated for ESRD
- The types of primary diagnoses (causes of ESRD) most commonly reported
- The causes of death most commonly reported

The data sources used to compile the profiles are listed at the end of the narrative description of each profile. A more detailed description of the data sources can be found in the Appendix. These profiles reflect information as it has been reported to the Health Care Financing Administration and include only those ESRD patients enrolled in the Medicare program. For all profiles, the report period, or profile year, is the full calendar year indicated at the upper right of the page.

Health Care Financing Administration  
End-Stage Renal Disease Program Management and Medical Information System

PATIENT PROFILE TABLES

1984

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PATIENT PROFILE TABLE 1

MEDICARE ESRD DIALYSIS PATIENTS

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD DIALYSIS PATIENTS. PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR).

THIS TABLE SHOWS ALL PATIENTS FOR WHOM WE HAVE RECEIVED A REPORT OF CHRONIC DIALYSIS SERVICES PROVIDED AT ANY TIME DURING THE REPORT PERIOD. IT INCLUDES THOSE PATIENTS WHO WERE LIVING AT THE END OF THE REPORT PERIOD AND THOSE PATIENTS WHO WERE LIVING AT THE BEGINNING OF THE REPORT PERIOD BUT EXPIRED PRIOR TO THE END OF THE REPORT PERIOD.

PLEASE NOTE: THESE DATA SHOULD NOT BE CONSTRUED AS AN INDICATION OF DIALYSIS PREVALENCE AT THE END OF THE REPORT PERIOD DUE TO THE FACT THAT SOME PATIENTS MAY HAVE BEEN OFF DIALYSIS BY THAT TIME (THAT IS, MAY HAVE BEEN TRANSPLANTED OR MAY HAVE EXPIRED DURING THE REPORT PERIOD).

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE  
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)  
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)  
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

END STAGE RENAL DISEASE MEDICAL INFORMATION SYSTEM

DATE PRODUCED: OCTOBER 3, 1985

REPORT PERIOD: CALENDAR, 1984

PATIENT PROFILE TABLE 1 - MEDICARE ESRD DIALYSIS PATIENTS  
NATIONAL DATA

TOTAL PATIENTS		81,475	
		(100%)	
RACE	WHITE	52,645	(65%)
	BLACK	25,146	(31%)
	OTHER	3,111	(4%)
SEX	MALE	43,322	(53%)
	FEMALE	38,153	(47%)
AGE	0-9	321	(0%)
	10-19	1,404	(2%)
	20-29	5,574	(7%)
	30-39	9,895	(12%)
	40-49	11,640	(14%)
	50-59	17,065	(21%)
	60-69	20,466	(25%)
	70 +	15,110	(19%)

\*\*\* TOTAL PATIENTS INCLUDES 573 WITH RACE UNKNOWN \*\*\*

\*\*\* AGE IS COMPUTED AS OF JUNE 30, 1984 \*\*\*

PATIENT PROFILE TABLE 2A

MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS (LIVING)

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD DIALYSIS PATIENTS, WHO WERE LIVING AT THE END OF THE REPORT PERIOD, BY THE FIVE MOST COMMONLY REPORTED PRIMARY DIAGNOSES (THAT IS, CAUSES OF ESRD), WITH CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE INCLUDES ALL PATIENTS FOR WHOM WE RECEIVED A REPORT OF CHRONIC DIALYSIS SERVICES PROVIDED AT ANY TIME DURING THE REPORT PERIOD.

PLEASE NOTE: SINCE THE ASSIGNMENT CRITERION FOR THIS TABLE WAS RECEIPT OF DIALYSIS SERVICES AT ANY TIME DURING THE REPORT PERIOD, THE SAME PATIENT COULD APPEAR BOTH IN THIS TABLE AND IN PATIENT PROFILE TABLE 4 (MEDICARE ESRD TRANSPLANT PATIENTS BY PRIMARY DIAGNOSIS).

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE  
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)  
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)  
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

END STAGE RENAL DISEASE MEDICAL INFORMATION SYSTEM

DATE PRODUCED: OCTOBER 3, 1985

REPORT PERIOD: CALENDAR, 1984

## PATIENT PROFILE TABLE 2A - MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS - LIVING

## NATIONAL DATA

		1	2	3	4	DIAGNOSIS	6	7	TOTAL PATIENTS
TOTAL PATIENTS BY PRIMARY DIAGNOSIS		15,183 (22%)	13,992 (20%)	11,003 (16%)	4,782 (7%)	3,326 (5%)	7,233 (11%)	12,964 (19%)	68,483 (100%)
RACE	WHITE	10,848	6,312	6,942	4,156	2,631	5,003	7,538	43,430 (63%)
	BLACK	3,538	7,290	3,463	502	587	1,884	4,619	21,883 (32%)
	OTHER	738	322	560	102	89	309	599	2,719 (4%)
SEX	MALE	8,822	8,012	5,287	2,403	1,601	3,523	6,680	36,328 (53%)
	FEMALE	6,361	5,980	5,716	2,379	1,725	3,710	6,284	32,155 (47%)
AGE	0-9	81	7	4	82	21	70	36	301 (0%)
	10-19	498	44	9	200	128	231	255	1,365 (2%)
	20-29	1,820	373	595	392	314	804	1,055	5,288 (8%)
	30-39	2,822	1,247	1,700	543	497	977	1,622	9,147 (13%)
	40-49	2,380	2,055	1,647	819	353	919	2,394	10,567 (15%)
	50-59	2,772	2,957	2,764	1,362	580	1,296	3,159	14,890 (22%)
	60-69	2,922	3,892	2,991	1,180	816	1,622	2,973	16,396 (24%)
	70 +	2,088	3,437	1,302	464	813	1,314	1,110	10,528 (15%)

\*\*\* TOTAL PATIENTS INCLUDES 451 WITH RACE UNKNOWN \*\*\*

\*\*\* AGE COMPUTED AS OF JUNE 30, 1984 \*\*\*

KEY: 1 = GLOMERULONEPHRITIS, NEPHRITIC SYNDROME, AND NEPHROSIS  
 2 = HYPERTENSION WITH HEART AND RENAL DISEASES  
 3 = DIABETES MELLITUS WITH OTHER COMPLICATIONS  
 4 = CONGENITAL ANOMALIES  
 5 = URINARY SYSTEM DISEASES  
 6 = ALL OTHERS  
 7 = NOT REPORTED

DHHS/HCFA/BDMS

PATIENT PROFILE TABLE 2B

MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS (DECEASED)

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD DIALYSIS PATIENTS, WHO WERE LIVING AT THE BEGINNING OF THE REPORT PERIOD BUT EXPIRED PRIOR TO THE END OF THE REPORT PERIOD, BY THE FIVE MOST COMMONLY REPORTED PRIMARY DIAGNOSES (THAT IS, CAUSES OF ESRD), WITH CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE INCLUDES ALL PATIENTS FOR WHOM WE RECEIVED A REPORT OF CHRONIC DIALYSIS SERVICES PROVIDED AT ANY TIME DURING THE REPORT PERIOD.

PLEASE NOTE: SINCE THE ASSIGNMENT CRITERION FOR THIS TABLE WAS RECEIPT OF DIALYSIS SERVICES AT ANY TIME DURING THE REPORT PERIOD, THE SAME PATIENT COULD APPEAR IN BOTH THIS TABLE AND IN PATIENT PROFILE TABLE 4 (MEDICARE ESRD TRANSPLANT PATIENTS BY PRIMARY DIAGNOSIS).

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE  
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)  
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)  
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)  
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

END STAGE RENAL DISEASE MEDICAL INFORMATION SYSTEM

DATE PRODUCED: OCTOBER 3, 1985

REPORT PERIOD: CALENDAR, 1984

PATIENT PROFILE TABLE 28 - MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS - DECEASED  
NATIONAL DATA

		1	2	3	4	DIAGNOSIS	5	6	7	TOTAL PATIENTS
TOTAL PATIENTS BY PRIMARY DIAGNOSIS		1,926	3,041	2,974	440	544	1,484	2,583	12,992	(100%)
RACE	WHITE	1,515	1,927	2,133	396	447	1,140	1,657	9,215	(71%)
	BLACK	342	1,042	681	36	81	292	789	3,263	(25%)
	OTHER	53	58	146	4	11	37	83	392	(3%)
SEX	MALE	1,162	1,730	1,402	225	320	810	1,345	6,994	(54%)
	FEMALE	764	1,311	1,572	215	224	674	1,238	5,998	(46%)
AGE	0-9	8		1	5		2	4	20	(0%)
	10-19	9		1	1	5	14	9	39	(0%)
	20-29	57	21	73	13	11	46	65	286	(22%)
	30-39	115	65	87	42	17	83	108	747	(6%)
	40-49	148	154	343	37	35	122	234	1,073	(8%)
	50-59	298	396	626	113	63	229	450	2,175	(17%)
	60-69	584	905	1,000	144	139	433	865	4,070	(31%)
	70 +	707	1,500	633	115	274	555	798	4,582	(35%)

\*\*\* TOTAL PATIENTS INCLUDES 122 WITH RACE UNKNOWN \*\*\*

\*\*\* AGE COMPUTED AS OF JUNE 30, 1984 \*\*\*

KEY:

- 1 = GLOMERULONEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
- 2 = HYPERTENSION WITH HEART AND RENAL DISEASES
- 3 = DIABETES MELLITUS WITH OTHER COMPLICATIONS
- 4 = CONGENITAL ANOMALIES
- 5 = URINARY SYSTEM DISEASES
- 6 = ALL OTHERS
- 7 = NOT REPORTED

DHHS/HCFA/BDMS

PATIENT PROFILE TABLE 3

NEWLY DIAGNOSED MEDICARE ESRD PATIENTS BY PRIMARY DIAGNOSIS

THIS TABLE SHOWS THE NUMBER OF REPORTED PATIENTS WHO WERE DIAGNOSED DURING THE REPORT PERIOD AS HAVING ESRD, WHO BECAME ENTITLED TO MEDICARE, AND FOR WHOM WE HAVE RECEIVED A REPORT OF CHRONIC DIALYSIS OR KIDNEY TRANSPLANT. THIS INFORMATION IS DISPLAYED BY THE FIVE MOST COMMONLY REPORTED DIAGNOSES (THAT IS, CAUSES OF ESRD). CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED" ARE ALSO INCLUDED. PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE CONTAINS THOSE NEW PATIENTS WHO WERE LIVING AT THE END OF THE REPORT PERIOD AND THOSE NEW PATIENTS WHO WERE LIVING AT THE BEGINNING OF THE REPORT PERIOD BUT EXPIRED PRIOR TO THE END OF THE REPORT PERIOD.

PLEASE NOTE: THESE DATA CANNOT BE CONSTRUED AS A CONCLUSIVE MEASURE OF THE INCIDENCE OF ESRD BECAUSE THEY DO NOT INCLUDE NEWLY DIAGNOSED PATIENTS WHO (1) ARE IN THE VETERANS ADMINISTRATION SYSTEM (2) ARE UNENTITLED (THAT IS, APPROXIMATELY 7 TO 10 PERCENT DO NOT QUALIFY FOR MEDICARE ESRD BENEFITS), OR (3) EXPIRE BEFORE THE 3-MONTH WAITING PERIOD ENDS AND THUS NEVER BECOME ENTITLED TO MEDICARE.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE  
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)  
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)  
FORM HCFA-2745-U3 (ESRD TRANSPLANT INFORMATION FORM)  
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)  
FORM HCFA 1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 3 - NEWLY-DIAGNOSED MEDICARE ESRD PATIENTS BY PRIMARY DIAGNOSIS  
NATIONAL DATA

		P R I M A R Y		D I A G N O S I S				T O T A L P A T I E N T S	
		1	2	3	4	5	6	7	
TOTAL PATIENTS BY PRIMARY DIAGNOSIS		3,978 (21%)	4,335 (23%)	4,594 (25%)	990 (5%)	590 (4%)	1,974 (11%)	2,159 (12%)	18,720 (100%)
RACE	WHITE	2,954	2,459	3,182	859	593	1,486	1,395	12,928 (69%)
	BLACK	831	1,765	1,196	108	85	403	578	4,966 (27%)
	OTHER	190	108	214	23	11	84	126	756 (4%)
SEX	MALE	2,364	2,577	2,202	553	385	1,036	1,230	10,347 (55%)
	FEMALE	1,614	1,758	2,392	437	305	938	929	8,373 (45%)
AGE	0-9	36	2	2	55	6	24	51	176 (1%)
	10-19	173	22	5	81	37	64	100	482 (3%)
	20-29	458	114	288	89	59	179	223	1,410 (8%)
	30-39	560	289	654	92	41	190	316	1,389 (11%)
	40-49	516	453	629	167	48	197	350	2,360 (13%)
	50-59	615	655	1,013	224	67	321	524	3,419 (18%)
	60-69	821	1,256	1,310	169	184	499	424	4,663 (25%)
	70 +	799	1,544	696	113	248	500	171	4,071 (22%)

\*\*\* THIS TABLE CONTAINS ONLY THOSE PATIENTS WHO SURVIVE TO BECOME MEDICARE ESRD ENTITLED \*\*\*  
\*\*\* TOTAL PATIENTS INCLUDES 70 WITH RACE UNKNOWN \*\*\*

KEY: 1 = GLOMERULONEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS  
2 = HYPERTENSION WITH HEART AND RENAL DISEASES  
3 = DIABETES MELLITUS WITH OTHER COMPLICATIONS  
4 = CONGENITAL ANOMALIES  
5 = URINARY SYSTEM DISEASES  
6 = ALL OTHERS  
7 = NOT REPORTED

DHHS/HCFA/BDMS

PATIENT PROFILE TABLE 4

MEDICARE ESRD TRANSPLANT PATIENTS BY PRIMARY DIAGNOSIS

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD TRANSPLANT PATIENTS BY THE FIVE MOST COMMONLY REPORTED PRIMARY DIAGNOSES (THAT IS, CAUSES OF ESRD), WITH CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE SHOWS ALL PATIENTS FOR WHOM WE RECEIVED A REPORT OF TRANSPLANT OCCURRING AT ANY TIME DURING THE REPORT PERIOD. INCLUDED ARE THOSE PATIENTS WHO WERE LIVING AT THE END OF THE REPORT PERIOD AND THOSE PATIENTS WHO WERE LIVING AT THE BEGINNING OF THE REPORT PERIOD BUT EXPIRED PRIOR TO THE END OF THE REPORT PERIOD.

PLEASE NOTE: SINCE THE ASSIGNMENT CRITERION FOR THIS TABLE WAS RECEIPT OF A TRANSPLANT DURING THE REPORT PERIOD, THE SAME PATIENT COULD APPEAR BOTH IN THIS TABLE AND IN PATIENT PROFILE TABLES 2A OR 2B (MEDICARE ESRD DIALYSIS PATIENTS BY PRIMARY DIAGNOSIS - LIVING AND DECEASED). THE FOLLOWING CAVEATS TO DATA INTERPRETATION SHOULD BE KEPT IN MIND: (1) ALL DEATHS REPORTED IN THIS TABLE ARE NOT NECESSARILY ATTRIBUTABLE TO TRANSPLANTS; AND (2) ALL PATIENTS INCLUDED DO NOT NECESSARILY HAVE FUNCTIONING TRANSPLANTS AT THE END OF THE REPORT PERIOD.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE  
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)  
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)  
FORM HCFA-2745-U3 (ESRD TRANSPLANT INFORMATION FORM)  
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)  
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)

## END STAGE RENAL DISEASE MEDICAL INFORMATION SYSTEM

DATE PRODUCED: OCTOBER 3, 1985

REPORT PERIOD: CALENDAR, 1984

PATIENT PROFILE TABLE 4 - MEDICARE ESRD TRANSPLANT PATIENTS BY PRIMARY DIAGNOSIS  
NATIONAL DATA

		1	2	3	4	5	6	7	TOTAL PATIENTS
TOTAL PATIENTS BY PRIMARY DIAGNOSIS		1,921 (32%)	643 (11%)	959 (16%)	632 (10%)	255 (4%)	617 (10%)	1,020 (17%)	6,047 (100%)
RACE	WHITE	1,478	277	836	563	234	474	722	4,584 (76%)
	BLACK	345	343	92	49	18	112	245	1,204 (20%)
	OTHER	98	23	31	20	3	31	50	256 (4%)
SEX	MALE	1,275	466	595	405	114	323	628	3,806 (63%)
	FEMALE	646	177	364	227	141	294	392	2,241 (37%)
AGE	0-9	35			48	8	29	25	145 (2%)
	10-19	171	19	5	93	51	66	89	494 (8%)
	20-29	481	72	191	105	69	161	207	1,286 (21%)
	30-39	547	175	453	64	63	170	295	1,762 (24%)
	40-49	378	191	228	138	36	105	224	1,300 (21%)
	50-59	244	149	94	135	23	66	144	855 (14%)
	60-69	61	34	8	28	6	19	35	191 (3%)
	70 +		4				1	3	8 (0%)

\*\*\* TOTAL PATIENTS INCLUDES 30, WITH RACE UNKNOWN \*\*\*

KEY: 1 = GLOMERULONEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS  
 2 = HYPERTENSION WITH HEART AND RENAL DISEASES  
 3 = DIABETES MELLITUS WITH OTHER COMPLICATIONS  
 4 = CONGENITAL ANOMALIES  
 5 = URINARY SYSTEM DISEASES  
 6 = ALL OTHERS  
 7 = NOT REPORTED

DHHS/HCFA/BDMS

PATIENT PROFILE TABLE 5A

CURRENT STATUS AND DONOR OF ESRD PATIENTS TRANSPLANTED DURING THE REPORT PERIOD

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD PATIENTS TRANSPLANTED DURING THE REPORT PERIOD AND THE PATIENT AND GRAFT STATUS AS OF THE END OF THE REPORT PERIOD. PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). A PATIENT IS COUNTED ONLY ONCE, EVEN IF THAT PATIENT RECEIVED MULTIPLE TRANSPLANTS DURING THE REPORT PERIOD. IN THE EVENT THAT A PATIENT DID RECEIVE MULTIPLE TRANSPLANTS DURING THE REPORT PERIOD, THE CURRENT STATUS WILL BE FOR THE MOST RECENT TRANSPLANT.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE  
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)  
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)  
FORM HCFA-2745-U3 (ESRD TRANSPLANT INFORMATION FORM)  
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)  
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)  
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

## PATIENT PROFILE TABLE 5A - CURRENT STATUS AND DONOR OF ESRD PATIENTS TRANSPLANTED DURING THE REPORT PERIOD

## NATIONAL DATA

PATIENT STATUS												TOTAL PATIENTS					
		FUNCTIONING			LIVING			NON-FUNCTIONING			DECEASED						
		LRD	CAD	TOTAL	LRD	CAD	TOTAL	LRD	CAD	TOTAL	LRD	CAD	TOTAL				
TOTAL PATIENTS TRANSPLANTED		1,307	3,562	5,179	53	462	559	30	257	309	1,390	4,281	6,047				
		(22%)	(59%)	(86%)	(1%)	(8%)	(9%)	(0%)	(4%)	(5%)	(23%)	(71%)	(100%)				
RACE	WHITE	1,102	2,608	3,938	(65%)	43	345	418	(7%)	19	193	228	(4%)	1,164	3,146	4,584	(76%)
	BLACK	156	792	1,006	(17%)	10	107	127	(2%)	11	56	71	(1%)	177	955	1,204	(20%)
	OTHER	49	162	233	(4%)	10	13	(0%)		8	10	(0%)	49	180	256	(4%)	
SEX	MALE	809	2,256	3,256	(54%)	35	287	352	(6%)	15	170	198	(3%)	859	2,713	3,806	(63%)
	FEMALE	498	1,306	1,923	(32%)	18	175	207	(3%)	15	87	111	(2%)	531	1,568	2,241	(37%)
AGE	0-9	65	49	118	(2%)	3	16	20	(0%)	1	6	7	(0%)	69	71	145	(2%)
	10-19	190	233	445	(7%)	7	32	43	(1%)	2	3	5	(0%)	199	266	494	(8%)
	20-29	386	651	1,118	(18%)	19	97	122	(2%)	8	36	46	(1%)	413	744	1,286	(21%)
	30-39	370	1,073	1,527	(25%)	9	149	171	(3%)	6	59	70	(1%)	385	1,281	1,768	(29%)
	40-49	192	833	1,080	(18%)	9	106	126	(2%)	6	78	94	(2%)	207	1,017	1,300	(21%)
	50-59	94	587	737	(12%)	5	51	60	(1%)	7	48	58	(1%)	106	686	855	(14%)
	60-69	10	132	150	(2%)	1	10	15	(0%)	2	26	26	(0%)	11	167	191	(3%)
	70 +	4	4	(0%)		1	2	(0%)		2	2	(0%)		7	8	(0%)	

\*\*\* TOTAL PATIENTS INCLUDES 3 WITH RACE UNKNOWN \*\*\*

\*\*\* TOTAL PATIENTS INCLUDES 376 WITH DONOR SOURCE UNKNOWN \*\*\*

\*\*\* AGE IS COMPUTED AS OF JUNE 30, 1984 \*\*\*

\*\*\* IN THE EVENT THAT A PATIENT RECEIVED MORE THAN ONE TRANSPLANT, THE STATUS REPORTED  
WILL BE FOR THE MOST RECENT TRANSPLANT \*\*\*

PATIENT PROFILE TABLE 5B

CURRENT STATUS AND COUNT OF ESRD PATIENTS TRANSPLANTED PRIOR TO THE REPORT PERIOD

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD PATIENTS TRANSPLANTED PRIOR TO THE REPORT PERIOD AND THE PATIENT AND GRAFT STATUS AS OF THE END OF THE REPORT PERIOD. PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). A PATIENT IS COUNTED ONLY ONCE, EVEN IF THAT PATIENT RECEIVED MULTIPLE TRANSPLANTS PRIOR TO THE REPORT PERIOD. IN THE EVENT THAT A PATIENT DID RECEIVE MULTIPLE TRANSPLANTS PRIOR TO THE REPORT PERIOD, THE CURRENT STATUS WILL BE FOR THE MOST RECENT TRANSPLANT.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE  
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)  
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)  
FORM HCFA-2745 (ESRD TRANSPLANT AND TISSUE TYPING INFORMATION)  
FORM HCFA-2745-U3 (ESRD TRANSPLANT INFORMATION FORM)  
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)  
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)  
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

PATIENT PROFILE TABLE 5B - CURRENT STATUS AND DONOR OF ESRD PATIENTS TRANSPLANTED PRIOR TO THE REPORT PERIOD  
NATIONAL DATA

PATIENT STATUS												TOTAL PATIENTS		
	RACE	SEX	FUNCTIONING			LIVING			NON-FUNCTIONING			DECEASED		
			LRD	CAD	TOTAL	LRD	CAD	TOTAL	LRD	CAD	TOTAL	LRD	CAD	TOTAL
TOTAL PATIENTS TRANSPLANTED			4,086 (23%)	6,363 (35%)	12,234 (68%)	779 (4%)	3,425 (19%)	4,906 (27%)	159 (1%)	658 (4%)	973 (5%)	5,024 (28%)	10,446 (58%)	18,113 (100%)
RACE	WHITE		3,481	4,816	9,749 (54%)	596	2,183	3,256 (18%)	132	471	726 (4%)	4,209	7,470	13,731 (76%)
	BLACK		403	1,284	1,969 (11%)	148	1,071	1,417 (8%)	21	167	217 (1%)	572	2,522	3,603 (20%)
	OTHER		156	223	427 (2%)	31	156	213 (1%)	4	19	27 (0%)	191	398	667 (4%)
SEX	MALE		2,488	4,094	7,663 (42%)	499	2,165	3,060 (17%)	101	425	628 (3%)	3,088	6,684	11,351 (63%)
	FEMALE		1,598	2,269	4,571 (25%)	280	1,260	1,846 (10%)	58	233	345 (2%)	1,936	3,762	6,762 (37%)
AGE	0-9		108	56	173 (1%)	18	28	49 (0%)	3	4	8 (0%)	129	88	236 (1%)
	10-19		573	285	724 (4%)	76	218	332 (2%)	5	17	23 (0%)	454	520	1,079 (6%)
	20-29		1,174	1,192	2,630 (15%)	242	668	1,058 (6%)	22	72	105 (1%)	1,438	1,932	3,793 (21%)
	30-39		1,346	1,897	3,776 (21%)	221	990	1,413 (8%)	51	176	256 (1%)	1,618	3,063	5,445 (30%)
	40-49		635	1,569	2,633 (15%)	128	854	1,148 (6%)	37	174	252 (1%)	800	2,597	4,033 (22%)
	50-59		375	1,097	1,786 (10%)	73	531	714 (4%)	31	144	222 (1%)	479	1,772	2,722 (15%)
	60-69		73	256	481 (3%)	19	131	183 (1%)	10	71	103 (1%)	102	458	767 (4%)
	70 +		2	11	31 (0%)	2	6	9 (0%)	4	4	16 (0%)	4	16	44 (0%)

\*\*\* TOTAL PATIENTS INCLUDES 112 WITH RACE UNKNOWN \*\*\*

\*\*\* TOTAL PATIENTS INCLUDES 2,643 WITH DONOR SOURCE UNKNOWN \*\*\*

\*\*\* AGE IS COMPUTED AS OF JUNE 30, 1984 \*\*\*

\*\*\* IN THE EVENT THAT A PATIENT RECEIVED MORE THAN ONE TRANSPLANT, THE STATUS REPORTED  
WILL BE FOR THE MOST RECENT TRANSPLANT \*\*\*

PATIENT PROFILE TABLE 6A

MEDICARE ESRD DIALYSIS PATIENT DEATHS DISTRIBUTED BY CAUSE

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD DIALYSIS PATIENT DEATHS OCCURRING AT ANY TIME DURING THE REPORT PERIOD, DISPLAYED BY THE FIVE MOST FREQUENTLY REPORTED CAUSES OF DEATH, WITH ADDITIONAL CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR). THIS TABLE CONTAINS PATIENTS TREATED EXCLUSIVELY WITH DIALYSIS AND THOSE WHO HAD RECEIVED A KIDNEY TRANSPLANT AT SOME TIME IN THE PAST AND HAD RETURNED TO CHRONIC DIALYSIS BEFORE OR DURING THE REPORT PERIOD.

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE  
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)  
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)  
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)  
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)  
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

## PATIENT PROFILE TABLE 6A - MEDICARE ESRD DIALYSIS PATIENT DEATHS DISTRIBUTED BY CAUSE

## NATIONAL DATA

		1	2	CAUSE	OF	DEATH	6	7	TOTAL DEATHS
				3	4	5			
TOTAL DEATHS BY CAUSE		2,739 (22%)	1,548 (12%)	904 (7%)	828 (7%)	722 (6%)	3,119 (25%)	2,859 (22%)	12,719 (100%)
RACE	WHITE	1,958	1,160	592	703	467	2,204	1,939	9,023 (71%)
	BLACK	680	323	275	101	215	785	812	3,191 (25%)
	OTHER	79	41	30	16	27	105	85	383 (3%)
SEX	MALE	1,533	928	438	405	325	1,686	1,507	6,822 (54%)
	FEMALE	1,206	620	466	423	397	1,433	1,352	5,897 (46%)
AGE	0-9	2	1	3		3	8	17	(0%)
	10-19	3	1	5	1	2	14	10	35 (0%)
	20-29	52	15	21	4	7	85	55	247 (2%)
	30-39	124	53	63	31	42	224	134	676 (5%)
	40-49	191	114	73	35	60	260	264	997 (8%)
	50-59	432	284	158	86	120	505	532	2,117 (17%)
	60-69	883	501	301	226	213	1,011	913	4,048 (32%)
	70 +	1,052	579	280	445	278	1,017	930	4,581 (36%)

\*\*\* TOTAL PATIENTS INCLUDES 122 WITH RACE UNKNOWN \*\*\*

\*\*\* AGE IS COMPUTED AS OF JUNE 30, 1984 \*\*\*

\*\*\* THIS TABLE CONTAINS ALL DIALYSIS PATIENT DEATHS, INCLUDING THOSE WHO RETURNED TO DIALYSIS FROM TRANSPLANT \*\*\*

KEY:

- 1 = CARDIAC
- 2 = MYOCARDIAL INFARCTION, ACUTE
- 3 = SEPTICEMIA
- 4 = WITHDRAWAL FROM DIALYSIS
- 5 = CEREBROVASCULAR
- 6 = ALL OTHERS
- 7 = NOT REPORTED

DHHS/HCFA/BDMS

PATIENT PROFILE TABLE 6B

MEDICARE ESRD TRANSPLANT PATIENT DEATHS DISTRIBUTED BY CAUSE

THIS TABLE SHOWS THE NUMBER OF REPORTED MEDICARE ESRD TRANSPLANT PATIENT DEATHS OCCURRING AT ANY TIME DURING THE REPORT PERIOD, DISPLAYED BY THE FIVE MOST FREQUENT CAUSES OF DEATH, WITH ADDITIONAL CATEGORIES FOR "ALL OTHERS" AND "NOT REPORTED." PATIENTS ARE CATEGORIZED BY RACE, SEX, AND AGE (AS OF MID-YEAR).

SOURCE OF DATA: HEALTH INSURANCE MASTER FILE  
FORM HCFA-2742 (ESRD PATIENT HISTORY AND TREATMENT PLAN)  
FORM HCFA-2728 (CHRONIC RENAL DISEASE MEDICAL EVIDENCE REPORT)  
FORM HCFA-2746 (ESRD DEATH NOTIFICATION)  
FORM HCFA-1453 (INPATIENT HOSPITAL AND SKILLED NURSING FACILITY ADMISSION AND BILLING)  
FORM HCFA-1483 (PROVIDER BILLING FOR MEDICAL AND OTHER HEALTH SERVICES)

## PATIENT PROFILE TABLE 6B - MEDICARE ESRD TRANSPLANT PATIENT DEATHS DISTRIBUTED BY CAUSE

NATIONAL DATA								TOTAL DEATHS
	1	2	CAUSE OF DEATH	4	5	6	7	
TOTAL DEATHS BY CAUSE	63	62	99	14	34	199	424	895
	(7%)	(7%)	(11%)	(2%)	(4%)	(22%)	(47%)	(100%)
RACE	WHITE	39	44	73	13	25	139	321
	BLACK	21	17	24	1	8	53	85
	OTHER	3	1	2		1	7	17
SEX	MALE	36	51	60	5	25	121	294
	FEMALE	27	11	39	9	9	78	130
AGE	0-9			2		2	3	7
	10-19	1	1		1	2	6	14
	20-29	5	4	12	1	5	24	16
	30-39	20	15	29	5	11	53	40
	40-49	17	19	26	2	8	53	89
	50-59	10	14	23	2	7	41	90
	60-69	10	9	7	2	1	18	123
	70+	4			1		1	4

\*\*\* AGE IS COMPUTED AS OF JUNE 30, 1984 \*\*\*

\*\*\* THIS TABLE CONTAINS PATIENTS WHO RECEIVED A TRANSPLANT IN ANY YEAR, DID NOT RETURN TO DIALYSIS,

\*\*\* AND DIED DURING THE REPORT PERIOD \*\*\* UNKNOWN \*\*\*

KEY:

- 1 = CARDIAC
- 2 = MYOCARDIAL INFARCTION, ACUTE
- 3 = SEPTICEMIA
- 4 = WITHDRAWAL FROM DIALYSIS
- 5 = CEREBROVASCULAR
- 6 = ALL OTHERS
- 7 = NOT REPORTED

DHHS/HCFA/BDMS

## APPENDIX

### ESRD DATA COLLECTION FORMS

The following forms are utilized to gather data for the End-Stage Renal Disease Patient Profile Tables.

#### Non-Reimbursement Data Collection Forms

HCFA-2728      Chronic Renal Disease Medical Evidence Report. Completed by provider and signed by physician after regularly scheduled course of therapy begins. This form has been revised to incorporate items from the obsolete HCFA-2742, ESRD Patient History and Treatment Plan.

HCFA-2745      ESRD Transplant Tissue Typing Information. Transplant provider completed this form within 2 weeks following transplant. (This form became obsolete on January 1, 1982.)

HCFA-2745-U3      ESRD Transplant Information. Transplant provider completes this form within 2 weeks following transplant. (This form replaced HCFA-2745.)

HCFA-2746      ESRD Death Notification. Primary provider completes this form within 2 weeks of date of death, regardless of location of death.

#### Reimbursement Data Collection Forms

HCFA-1453      Inpatient Hospital and Skilled Nursing Facility Admission and Billing. Submitted by the hospital or nursing facility to the intermediary at the end of each billing period (usually monthly) for inpatient services.

HCFA-1483      Provider Billing for Medical and Other Health Services. Submitted by the provider to the intermediary at the end of each billing period (usually monthly or quarterly) for outpatient services.

## APPENDIX

### ALGORITHM FOR RETURN TO DIALYSIS DATE FOLLOWING TRANSPLANTATION

The methodology involves a comparison of the hemodialysis regimen of transplanted patients to that of hemodialysis patients who have never been transplanted. Those transplant patients falling, in any particular quarter, within the normal range for the number of hemodialysis sessions of patients never transplanted will be assigned a return to dialysis date corresponding to the mid-point of that quarter.

The normative range, in this case, was determined by computing a frequency distribution for all never-transplanted dialysis patients receiving hemodialysis services after January 1, 1977. In order to eliminate distortions from any erroneous records in the file, 22 and 50 sessions were chosen for this analysis as the lower and upper limits, respectively. The results of this analysis showed a mean number of dialysis sessions of 34.26 and a standard deviation of 6.096. A range of plus or minus two standard deviations from the mean yields a normal range of 22 to 46 sessions. As this range equates statistically to 95 percent of these hemodialysis patients, it was selected as the transition criterion to be used.

Source: National Institutes of Health

## APPENDIX

### PRIMARY DISEASE CATEGORIES: ESRD PROGRAM MANAGEMENT AND MEDICAL INFORMATION SYSTEM

#### ICD9CM\*

#### PRIMARY DISEASE NARRATIVE

0170

Lupus

#### MALIGNANT NEOPLASMS

189

Cancer of Kidney (Calyx, Hilus and Pelvic)

189

Malignant Neoplasm of Kidney & other unspecified urinary organs

2028

Lymphomas

2030

Multiple Myeloma

#### DIABETES MELLITUS and with other complications

2500

Diabetes (unspecified)

2500

Diabetes Mellitus

2500

DM

25000

Diabetes, Adult

25001

JODM

25001

Juvenile Onset Diabetes Mellitus

2504

Diabetes with renal manifestations

2504

Diabetic Glomerulosclerosis

2504

Diabetic Nephropathy

2504

Glomerulosclerosis, Intercapillary

2504

Intercapillary Glomerulosclerosis

2504

Kimmelstiel Wilson Syndrome

\*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

ICD9CM\*PRIMARY DISEASE NARRATIVEMETABOLIC DISEASES

2700 Cystinosis, Malignant  
2718 Oxalate Nephropathy  
2718 Oxalosis  
2727 Fabry's Disease  
2741 Gouty Nephropathy  
2741 Urate Nephropathy  
2773 Amyloidosis

BLOOD DISEASES

2826 Sickle Cell Disease  
2831 Hemolytic Uremic Syndrome  
2870 Henoch-Schonlein Syndrome

HYPERTENSION with Heart and Renal Diseases

4010 Malignant Hypertension  
4011 Benign Hypertension  
4019 Hypertension  
4019 Primary Hypertensive Disease  
4019 Essential Hypertension  
4030 Nephrosclerosis, Malignant  
4030 Hypertensive Renal Disease, Malignant  
4031 Nephrosclerosis, Benign  
4031 Hypertensive Renal Disease, Benign  
4039 Nephrosclerosis  
4039 Hypertensive Renal Disease  
4039 Arteriolonephrosclerosis  
4040 Hypertensive Heart and Renal Disease, Malignant  
4041 Hypertensive Heart and Renal Disease, Benign  
4049 Hypertensive Heart and Renal Disease

\*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

ICD9CM \*PRIMARY DISEASE NARRATIVEARTERIAL DISEASES

4401 Stenosis, Renal Artery  
4431 Buerger's (Berger's) Disease  
4460 Polyarteritis, Renal  
4460 Renal Polyarteritis  
4462 Anti-GBN Glomerulonephritis  
4462 Anti-Glomerulobasement Membrane Glomerulonephritis  
4462 Goodpasture's Disease (Syndrome)  
4464 Granulomatosis  
4464 Wegener's Granulomatosis  
4464 Wegener's Syndrome  
4466 Thrombotic Thrombocytopenic Purpura  
4466 TTP

---

5724 Hepatorenal Syndrome

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GLOMERULONEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

5800 Glomerulonephritis, Acute  
5804 Glomerulonephritis, Acute with lesion of rapidly progressive Glomerulonephritis  
58089 Acute Interstitial Nephritis  
5809 Acute Glomerulonephritis  
5809 Acute Glomerulonephritis with unspecified pathological lesion in kidney  
5809 Glomerulonephritis, Acute with unspecified pathological lesion in kidney  
5811 Focal Glomerulonephritis  
5811 Glomerulonephritis, Focal  
5811 Focal Glomerulosclerosis with Nephrotic Syndrome  
5819 Nephrotic Syndrome  
5819 Nephrosis

GLOMERULOUNEPRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (con't)

5821	Focal Glomerulosclerosis
5821	Glomerulosclerosis, Focal
58289	Chronic Interstitial Nephritis
58289	Hereditary Interstitial Nephritis
58289	Interstitial Nephritis, Hereditary
5829	Chronic Glomerulonephritis
5829	Chronic Glomerulonephritis with unspecified pathological lesion in kidney
5829	Glomerulonephritis, Chronic
5829	Glomerulonephritis, Chronic with unspecified pathological lesion in kidney
5830	Proliferative Glomerulonephritis
5830	Radiation Nephritis
5830	Shunt Nephritis
5831	Membranous Glomerulonephritis
5832	Membranoproliferative Glomerulonephritis
5832	Mesangiocapillary Glomerulonephritis
5837	Nephritis or Nephropathy with Renal Medullary lesion
58381	Nephritis and Nephropathy, not specified as acute or chronic, in diseases classified elsewhere
58389	Analgesic Nephropathy
58389	Other Interstitial Nephritis
5839	Glomerulonephritis
5839	GN
5839	Nephritis
5839	Nephritis or Nephropathy
5839	Nephropathy
5845	Nephrotoxins (various) (specify)
5845	Toxic Nephropathy (specify)
586	Renal Failure, Unspecified
587	Glomerulosclerosis
589	Small Kidney of Unknown Cause

ICD9CM\*PRIMARY DISEASE NARRATIVEURINARY SYSTEM DISEASES

5900                   Chronic Pyelonephritis  
5900                   Pyelonephritis, Chronic  
59080                  Pyelonephritis, Unspecified  
59080                  Necrosis, Renal (Gangrene)  
5909                  Infections of Kidney  
591                    Hydronephrosis  
5920                  Calculi (Renal)  
5929                  Calculi (Urinary)  
5920                  Nephrolithiasis  
59381                Thrombosis Renal Artery  
599                    Obstructive Uropathy, Acquired  
599                    Urinary Obstruction (specify)  
599                    Uropathy, Acquired (Obstructive)

---

600                   Hyperplasia of Prostate

6393                Chronic Uremia  
6393                Uremia

6462                Renal Failure (in pregnancy, childbirth, puerperium)

6954                Lupus Erythematosus

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\*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

ICD9CM\*PRIMARY DISEASE NARRATIVEDISEASES OF CONNECTIVE TISSUES

7100 SLE  
7100 Systemic Lupus Erythematosus  
7101 Lupus Nephritis  
7101 Scleroderma  
7101 Scleroderma

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7140 Rheumatoid Arthritis

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CONGENITAL ANOMALIES

753 Congenital Anomalies of Urinary System  
753 Renal Agenesis and Dysgenesis  
7530 Hypoplasia Kidney Disease  
7531 Cystic Kidney Disease  
7531 Medullary Cystic Kidney Disease  
7531 Multicystic Kidney Disease  
7531 Polycystic Kidney Disease  
7532 Obstructive defects of renal pelvis, and ureter  
7533 Calculi Renal, Congenital  
7533 Obstructive Uropathy, Congenital  
7533 Uropathy, Congenital (Obstructive)  
7539 Dysplasia (Anomaly) of Kidney  
7598 Alport's Syndrome

\*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

<u>ICD9CM*</u>	<u>PRIMARY DISEASE NARRATIVE</u>
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7999	Etiology Unknown
7999	Unknown, Etiology
9654	Aromatic Analgesics, Phenacetin (Acetophenetidin)
9659	Analgesic Abuse (specify)
9968	Rejection, Transplant
----	Collagen Vascular Disease***

\*ICD9CM: International Classification of Diseases, 9th Revision, Clinical Modification

\*\*\*Collagen Vascular Disease is an unacceptable narrative entry on form HCFA 2728-U4. Collagen Vascular Disease represents one of several conditions (or diseases) in which collagen tissue is involved. The specific condition (or disease) narrative is what must be entered and coded on this form.

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